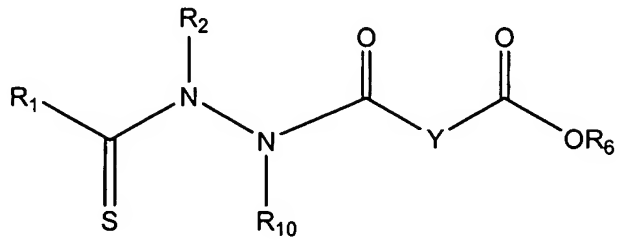
CLAIMS

What is claimed is:

1. A compound represented by the structural formula:



;

or a pharmaceutically acceptable salt thereof, wherein R_1 and R_2 are independently an aliphatic group, a substituted aliphatic group, an aryl group or a substituted aryl group,

R_{10} is -H or unsubstituted alkyl group;

R_6 is a carboxylic acid protecting group; and

Y is a covalent bond or a substituted or unsubstituted straight-chained hydrocarbyl group.

2. The compound of Claim 1 wherein Y is a covalent bond or $-C(R_7R_8)-$ and R_7 and R_8 are each independently -H, an aliphatic or substituted aliphatic group, or R_7 is -H and R_8 is a substituted or unsubstituted aryl group, or, R_7 and R_8, taken together, are a C_2-C_6 substituted or unsubstituted alkylene group.

3. The compound of Claim 2 wherein R_7 and R_8 are both -H.

4. The compound of Claim 1 wherein R_1 is an aryl group or a substituted aryl group.

5. The compound of Claim 1 wherein R_2 is an alkyl group or a substituted lower alkyl group.

6. The compound of Claim 2 wherein R_2 is methyl or ethyl; R_7 is -H; and R_8 is -H or methyl.

7. The compound of Claim 6 wherein R_1 is phenyl or substituted phenyl.

8. The compound of Claim 7 wherein R_1 is phenyl and R_2 is methyl.

9. The compound of Claim 2 wherein R_1 is an aliphatic group or a substituted aliphatic group.

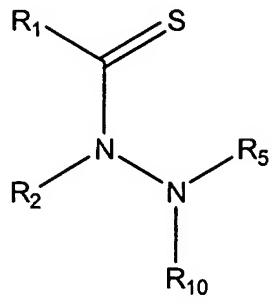
10. The compound of Claim 2 wherein R_2 is an aliphatic group or a substituted aliphatic group.

11. The compound of Claim 10 wherein R_2 is a lower alkyl group or a substituted lower alkyl group.

12. The compound of Claim 1 wherein R_{10} is H.

13. The compound of Claim 2 wherein R_{10} is H.

14. A compound represented by the structural formula:



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or a pharmaceutically acceptable salt thereof, wherein R_1 and R_2 are independently an aliphatic group, a substituted aliphatic group, an aryl group or a substituted aryl group; R_5 is -H or a hydrazine protecting group and R_{10} is -H or a substituted or unsubstituted alkyl group.

15. The compound of Claim 14 wherein R_5 is a hydrazine protecting group when R_2 is an aryl group or a substituted aryl group.

16. The compound of Claim 14 wherein R_5 is -H or a hydrazine protecting group when R_2 is an aliphatic or substituted aliphatic group and R_{10} is -H or an unsubstituted alkyl group.

17. The compound of Claim 14 wherein R_2 is an aliphatic group or a substituted aliphatic group.

18. The compound of Claim 17 wherein R_1 is an aryl group or a substituted aryl group.

19. The compound of Claim 18 wherein R_2 is an alkyl group or a substituted lower alkyl group.

20. The compound of Claim19 wherein R_2 is methyl or ethyl.

21. The compound of Claim 14 wherein R_1 is phenyl or substituted phenyl.

22. The compound of Claim 21 wherein R_1 is phenyl and R_2 is methyl.

23. The compound of Claim 21 wherein R_1 is phenyl substituted with one or more groups selected from -OH, -Br, -Cl, -I, -F, -OR^a, -O-COR^a, -COR^a, -CN, -NO_2, -COOH, -SO_3H, -NH_2, -NHR^a, -$N(R^aR^b)$, -$COOR^a$, -CHO, -$CONH_2$, -$CONHR^a$, -$CON(R^aR^b)$, -NHCOR^a, -NRCOR^a, -$NHCONH_2$, -$NHCONR^aH$, -$NHCON(R^aR^b)$, -NR^cCONH_2, -NR^cCONR^aH, -$NR^cCON(R^aR^b)$, -C(=NH)-NH_2, -C(=NH)-NHR^a, -C(=NH)-$N(R^aR^b)$, -C(=NR^c)-NH_2, -C(=NR^c)-NHR^a, -C(=NR^c)-$N(R^aR^b)$, -NH-C(=NH)-NH_2, -NH-C(=NH)-NHR^a, -NH-C(=NH)-$N(R^aR^b)$, -NH-C(=NR^c)-NH_2, -NH-C(=NR^c)-NHR^a, -NH-C(=NR^c)-$N(R^aR^b)$, -NR^dH-C(=NH)-NH_2, -NR^d-C(=NH)-NHR^a, -NR^d-C(=NH)-$N(R^aR^b)$, -NR^d-C(=NR^c)-NH_2, -NR^d-C(=NR^c)-NHR^a, -NR^d-C(=NR^c)-$N(R^aR^b)$, -$NHNH_2$, -$NHNHR^a$, -$NHN(R^aR^b)$,-SO_2NH_2, -SO_2NHR^a, -$SO_2NR^aR^b$, -CH=CHR^a, -CH=CR^aR^b, -CR^c=CR^aR^b,-CR^c=CHR^a, -CR^c=CR^aR^b, -CCR^a, -SH, -SR^a, -S(O)R^a, -$S(O)_2R^a$, alkyl groups, substituted alkyl group, non-aromatic heterocyclic group, substituted non-aromatic heterocyclic group, benzyl group, substituted benzyl group, aryl group or substituted aryl group wherein R^a-R^d each independently an alkyl group, substituted alkyl group, benzyl, substituted benzyl, aromatic or substituted aromatic group, or, -$N(R^aR^b)$, taken together, can also form a substituted or unsubstituted non-aromatic heterocyclic group.

24. The compound of Claim 23, wherein R_2 is methyl.

25. The compound of Claim 14 wherein R_1 is a lower alkyl group and R_2 is a phenyl group substituted with one or more groups selected from -OH, -Br, -Cl, -I, -F, -OR^a, -O-COR^a, -COR^a, -CN, -NO_2, -COOH, -SO_3H, -NH_2, -NHR^a, -$N(R^aR^b)$, -$COOR^a$, -CHO, -$CONH_2$, -$CONHR^a$, -$CON(R^aR^b)$, -$NHCOR^a$, -$NRCOR^a$, -$NHCONH_2$, -$NHCONR^aH$, -$NHCON(R^aR^b)$, -NR^cCONH_2, -NR^cCONR^aH, -$NR^cCON(R^aR^b)$, -C(=NH)-NH_2, -C(=NH)-NHR^a, -C(=NH)-$N(R^aR^b)$, -C(=NR^c)-NH_2, -C(=NR^c)-NHR^a, -C(=NR^c)-$N(R^aR^b)$, -NH-C(=NH)-NH_2, -NH-C(=NH)-NHR^a, -NH-C(=NH)-$N(R^aR^b)$, -NH-C(=NR^c)-NH_2, -NH-C(=NR^c)-NHR^a, -NH-C(=NR^c)-$N(R^aR^b)$, -NR^dH-C(=NH) -NH_2, -NR^d-C(=NH)-NHR^a, -NR^d-C(=NH)-$N(R^aR^b)$, -NR^d-C(=NR^c)-NH_2, -NR^d -C(=NR^c)-NHR^a, -NR^d-C(=NR^c)-$N(R^aR^b)$, -$NHNH_2$, -$NHNHR^a$, -$NHN(R^aR^b)$, -SO_2NH_2, -SO_2NHR^a, -$SO_2NR^aR^b$, -CH=CHR^a, -CH=CR^aR^b, -CR^c=CR^aR^b, -CR^c=CHR^a, -CR^c=CR^aR^b, -CCR^a, -SH, -SR^a, -S(O)R^a, -$S(O)_2R^a$, alkyl groups, substituted alkyl group, non-aromatic heterocyclic group, substituted non-aromatic heterocyclic group, benzyl group, substituted benzyl group, aryl group or substituted aryl group wherein R^a-R^d each are independently an alkyl group, substituted alkyl group, benzyl, substituted benzyl, aromatic or substituted aromatic group, or, -$N(R^aR^b)$, taken together, can also form a substituted or unsubstituted non-aromatic heterocyclic group.